



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 12] नई दिल्ली, शनिवार, मार्च 20, 1976 (फाल्गुन 30, 1897)  
No. 12] NEW DELHI, SATURDAY, MARCH 20, 1976 (PHALGUNA 30, 1897)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[ Notifications and Notices issued by the Patent Office relating to Patents and Designs ]

#### THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 20th March, 1976

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

12th February, 1976

- 254/Cal/76. Council of Scientific and Industrial Research, Manufacture of refractory grade Magnesia from sea water using limestone/dolomite.
- 255/Cal/76. Eaton Limited, Drive Axle system useable in 6X vehicle.
- 256/Cal/76. (1) G. M. Filshie, (2) D. Casey, (3) V. L. Houghton, (4) D. F. Hubback, (5) E. M. Nicholson, (6) Improvements in sexual sterilization devices. (February 12, 1975).
- 257/Cal/76. Morgardshammar AB., Rod cooling and coiling system.
- 258/Cal/76. Fleeto Coatings Ltd., Stable aqueous emulsions preparation and uses thereof. (February 18, 1975).
- 259/Cal/76. Clupak, Inc., Extensible newsprint paper made from bagasse and method for making same.
- 260/Cal/76. Sea Water Supplies Limited., Improvements relating to filtration. (February 18, 1975).

13th February, 1976

- 261/Cal/76. Maschinenfabrik Rieter A.G., A weighing System for continuously Weighing a Layer of Fibre Material. (March 4, 1975).

- 262/Cal/76. Dynamit Nobel Aktiengesellschaft., Process for the production of terephthalic acid ethylene glycol esters.

- 263/Cal/76. OY Steromberg AB., Current Transformer.

- 264/Cal/76. UOP Inc. Immobilized Enzyme Conjugates.

- 265/Cal/76. Alcan Research and Development Limited, Improvements in relation to the production of aluminium. (February 25, 1975).

- 266/Cal/76. Metallgesellschaft A.G. Process of treating raw gas produced by the pressure gasification of coal.

- 267/Cal/76. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler. Method of preparing textured vegetable protein and additive for use therein. [Divisional date October 26, 1973]

16th February, 1976

- 268/Cal/76. Council of Scientific and Industrial Research, Improvements in or relating to the manufacturing process of semiconductor devices (P.N. Junction isolated monolithic ICs and also for dielectrically isolated ICs) to achieve different electrical characteristics of similar active device.

- 269/Cal/76. Council of Scientific and Industrial Research, A method and machine for continuous casting of flat membrane.

- 270/Cal/76. Charles Carl Shivers. Improvements in drying apparatus for particulate materials.

- 271/Cal/76. Ajit Kumar Bhattacharjya. Moulded Commutators for use in Automobile Dynamos and similar applications.

- 272/Cal/76. Mendel King & Ray Ltd. Visible markers for road surfaces. (September 4, 1975).

- 273/Cal/76. Gist-Brocades N. V. Process for the preparation of azetidine derivatives. [Divisional date February 8, 1974].
- 274/Cal/76. Anthony John Raymond. Metallic coating of metal tubes and similar work pieces.
- 275/Cal/76. Kedar Nath Pal and Rajendra Kumar Pal. Automatic Clock.
- 276/Cal/76. Metal Box Limited. Containers. (February 22, 1975).
- 277/Cal/76. Sandoz Ltd. Improvements in or relating to organic compounds. (February 17, 1975).
- 278/Cal/76. Dr. Sukriti Ranjan Gupta. All driving controls in one hand-operated lever for use by person having different/multiple disabilities to drive a motorised transport like car or scooter specially designed, modified or tailored for their personal use.

17th February 1976

- 279/Cal/76. Swapan Kumar Ghosh & Tapan Kumar Ghosh. Slotted Angle.
- 280/Cal/76. Saint-Gobain Industries, Process and apparatus for making fibres from attenuable material, for example glass.
- 281/Cal/76. United States Filter Corporation. Wet electrostatic precipitators. [Divisional Date May 23, 1973].
- 282/Cal/76. Sico Incorporated. Counterbalance Hinge for Pivoting Loads.
- 283/Cal/76. Gaston Marier. Improved Connector Structure.
- 284/Cal/76. France-Luzerne. Improvement in an integrated process for the treatment of vegetable matter.
- 285/Cal/76. I.A. Prigorovsky. (2) A.D. Ignatiev. (3) V.E. Shkolnik. (4) G.M. Khutoretsky. (5) A.I. Vorontsov. (6) V.M. Fridman. Electrical Machine Stator.

18th February 1976

- 286/Cal/76. E. M. Azarov, V. N. Andrushev, and G. M. Khutoretsky. "Brush mounting device for dynamoelectric machine.
- 287/Cal/76. Proizvodstvennoe Obiedinenie "Tekhnergokhimprom. (2) Penzensky Zavod Khimicheskogo Mashinostroenia. and Severodonetsky Filial Vsesojuznogo Nauchno-Issledovatel'skogo I Konstruktorskogo Instituta Khimicheskogo Mashinostroenia. Self-cleaning filter for cleaning liquids from suspended matter.
- 288/Cal/76. Dr. Hosagraha Chandra Shekharia Visvesvaraya. "A process for the manufacture of cement clinker in a vertical shaft kiln".
- 289/Cal/76. F. C. Still. and R. B. Aktiengesellschaft. "Process and device for producing abrasion resistant shaped lignite coke lumps".
- 290/Cal/76. A/S Burmeister & Wain's Motor-OG Maskinfabrik AF 1971. Measuring probe for measuring wear. (September 15, 1975).
- 291/Cal/76. A/S Burmeister & Wain's Motor-OG Maskinfabrik AF 1971. Apparatus for venting hydraulic systems and delivering supplementary hydraulic fluid to the system.
- 292/Cal/76. A/S Burmeister & Wain's Motor-OG Maskinfabrik AF 1971. Turbocharger with air cooler for internal combustion engines.
- 293/Cal/76. Marston Excelsion Limited. Improvements in or relating to pipe joint seals. (March 5, 1975).
- 294/Cal/76. Societe D8 Etudes De Machines Thermiques. Improvements in or relating to a method and means for conditioning the intake air of a supercharged low-compression ratio Diesel Engine. [Addition to No. 1434/Cal/74].

295/Cal/76. Aspro, Inc., Improved Traction Control Apparatus.

296/Cal/76. W. H. Booth &amp; Co. Limited. "Improvements in or relating to Casting". (February 22, 1975).

APPLICATION FOR PATENTS FILED AT THE  
(BOMBAY BRANCH)

9th February 1976

46/Bom/76. K. K. Danix Consultants &amp; Engineers Private Ltd., "Linear Actuator System".

10th February 1976

47/Bom/76. Ciba-Geigy of India Limited. "Process for the manufactures of Fluorescent Pigments".

12th February 1976

48/Bom/76. Everest Packaging Corporation. "Display Board-Cum-Picture Frame".

13th February 1976

49/Bom/76. Vinay Mulchand Sheth. "A Constant current Ballast-Cum-Starter for Preheat-Start Fluorescent Tubes".

50/Bom/76. Uday Tewari. "Micro-Containers for Storing Biological Liquids".

APPLICATION FOR PATENTS FILED AT THE  
(MADRAS BRANCH)

The 11th February 1976

25/Mas/76. Shankar Gulanagouda Patil. "An equipment that can be converted easily into a dining table or a cot or a reading table or a teapoy".

13th February 1976

26/Mas/76. Registrar, Indian Institute of Science. "Process of growing silicon-dioxide on semiconductor substrates".

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for an form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F.b. I.C. C07d 91/16.

138699.

PROCESS FOR PREPARING NOVEL PHOSPHORYLATED PENICILLINS.

APPLICANTS: AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK 10017, NEW YORK, UNITED STATES OF AMERICA.

INVENTORS: JOHN HAMILTON SELLESTEDT.

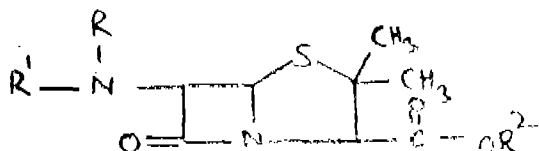
Application No. 488/Cal/73 filed March 6, 1973.

Convention date March 22, 1972 (13314/72) U.K.

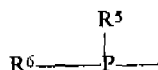
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 14 Claims

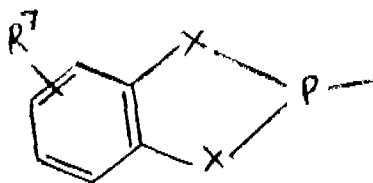
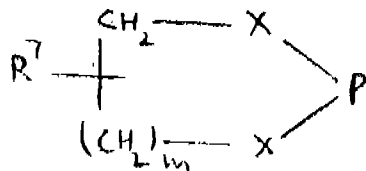
A method for preparing a compound having the formula A.



wherein R is an organic acyl radical; R<sup>1</sup> is hydrogen or a radical of the formula B.



R<sup>2</sup> is R<sup>1</sup>, alkali metal or a tertiary amine, with the proviso that when R<sup>1</sup> is hydrogen R<sup>2</sup> is a radical of formula B; R<sup>5</sup> and R<sup>6</sup> are each selected from (lower) alkyl, aryl, nalo (lower) alkyl, aryl (lower) alkyl; or R<sup>5</sup> and R<sup>6</sup> may be joined together to form with phosphorus, a ring of formula C, or D.



wherein X is oxygen, CH<sub>2</sub> or sulphur; m is an integer from 1 to 6; R<sup>7</sup> is hydrogen or (lower) alkyl, which method comprises contacting a corresponding compound of formula A wherein R is hydrogen with an organic acylating agent such as herein described and if desired hydrolysing the product with water to give a compound of formula A where R<sup>1</sup> is hydrogen and R<sup>2</sup> is hydrogen and R is organic acyl radical.

CLASS 130-I. I.C. C22b 23/04.

138700.

#### RECOVERY OF NICKEL.

APPLICANTS: THE ANACONDA COMPANY, OF 25 BROADWAY, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

INVENTORS: MARTIN CLIFFORD KUHN AND NATHANIEL ARBITER.

Application No. 489/Cal/73 filed March 6, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims

The method of recovering nickel from sulfidic minerals thereof which comprises forming a slurry of said minerals in finely divided form in an aqueous solution containing ammonium sulfate and free ammonia, passing said slurry at atmospheric pressure or so near atmospheric pressure not exceeding 10 psig into a closed leaching vessel, maintaining the temperature of the slurry in the range from 65°C. to 80°C., and withdrawing from said vessel slurry containing nickel complexed with ammonia, dissolved in the aqueous phase and mineral matter depleted in nickel in the solid phase, characterized in that the body of slurry in said vessel is agitated with a vigor input of at least 0.05 horsepower per cubic foot while introducing oxygen into the agitated slurry at a substantial depth below the surface of said body.

CLASS 32F. I.C. A01n 9/24, 11/02, C07c 15/14, 43/12.

138701.

#### PROCESS FOR PREPARING A NOVEL DIPHENYL ETHER.

APPLICANTS: ROHM AND HASS COMPANY, OF INDEPENDENCE MALL WEST, PHILADELPHIA, PENNSYLVANIA 19105, UNITED STATES OF AMERICA.

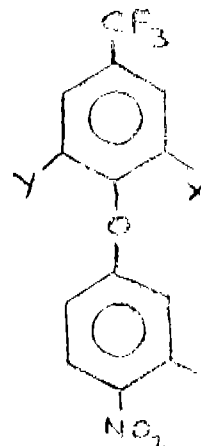
INVENTORS: HORST OTTO BAYER, COLIN SWITHENBANK AND ROY YANGMING YIH.

Application No. 598/Cal/73 filed March 16, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 19 Claims

A process for preparing a novel diphenyl ether of the formula I.



where X is a hydrogen atom, a halogen atom, a trihalomethyl group, a (C<sub>1</sub>-C<sub>4</sub>) alkyl group, or a cyano group,

Y is a hydrogen atom, a halogen atom, or a trihalomethyl group and

Z is hydrogen, a hydroxy group, an alkoxy or substituted alkoxy group, an alkyl group optionally substituted with a hydroxy group, a (C<sub>1</sub>-C<sub>4</sub>) alkoxy group or a halogen atom, a halogen atom, an amino or substituted amino group, an alkylthio group, a cyano group, a carboxy group in free acid or salt form a carboxy group in the alkoxy moiety a carboxyalkyl group in free acid or salt form, a carbalkoxyalkyl group an alkanoyloxy group or a carbamoyloxy or alkyl-substituted carbamoyloxy group, said process involving the reaction of a phenolic compound or salt thereof and substituted halobenzene.

CLASS 155F. I.C. D06m 15/64.

138702.

A METHOD OF IMPROVING THE FLAME RESISTANCE OF A SHAPED ARTICLE AND A SHAPED ARTICLE MADE THEREBY.

APPLICANTS: CHEMISCHE FABRIK STOCKHAUSEN & CIE, OF 415 KREFELD BAKERPFAß 25, FEDERAL REPUBLIC OF GERMANY.

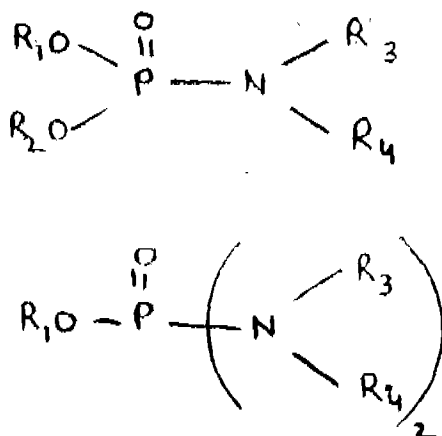
INVENTORS: DR. KURT DAHMEN AND DR. ALOIS KUNSCHENER.

Application No. 647/Cal/73 filed March 22, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 25 Claims

A method of improving the flame-resistance of a shaped article such as herein described characterised in that a compound of the formula I or II.



wherein,  $\text{R}_1$  and  $\text{R}_2$  which may be the same or different, each represents an alkyl, alkoxyalkyl or haloalkyl radical,  $\text{R}_3$  represents a mono- or multi-halogenated alkyl radical, and  $\text{R}_4$  represents a mono- or multi-halogenated alkyl radical, which may be the same as or different from that represented by  $\text{R}_3$ , or an alkyl or alkenyl group is incorporated in to the basic material such as herein described of the article.

CLASS 104-C. I.C. B 29h 1/06.

138703.

METHOD AND APPARATUS FOR CURING ELONGATED ARTICLES.

APPLICANTS: DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S LONDON, S.W. 1, ENGLAND.

INVENTORS: HUGH LORAIN FOLKES.

Application No. 1815/Cal/73 filed August 7, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 23 Claims

A method of curing an elongated article comprising successively bringing a first plurality of platens individually into curing relationship with successive portions of a first surface of the article and successively bringing a second plurality of platens individually into curing relationship with a second surface of the article with the platens adjacent the first surface being staggered relative to those adjacent the second surface in the direction of the length of the article, securing together staggered platens of the first and second pluralities to prevent longitudinal separation of the platens, moving the article and platens in curing relationship therewith in a stepwise manner in the direction of the length of the article, and successively bringing the platens out of curing relationship with the article,

wherein compressive forces are applied to successive portions of the article by the platens while the article and platens are stationary between successive stepwise movements.

CLASS 206-I+J. I.C. H03f 3/24.

138704.

ARRANGEMENT FOR THE TRANSMISSION OF INFORMATION SIGNALS BY PULSE CODE MODULATION.

APPLICANTS: SOCIETE ANONYME: TELECOMMUNICATIONS RADIOELECTRIQUES ET TELEPHONIQUES T.R.T., OF 88 RUE BRILLAT SAVARIN, 75-PARIS 13<sup>e</sup>, FRANCE.

INVENTORS: GILBERT MARIE MARCEL FERRIEU AND JOHANNES WILHELMUS GLASBERGEN.

Application No. 1921/Cal/73 filed August 21, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 20 Claims

Arrangement for the transmission of information signals by pulse code modulation, the transmitter being provided with a modulator to which a pulse generator is connected, the output pulses from said modulator being transmitted to a receiver co-operating with the transmitter and to a comparison circuit comprising an integrating network and a difference producer for generating a difference signal indicating the difference between the signals to be transmitted and a comparison signal which is obtained by integration of the output pulses from said modulator applied to the integrating network in the comparison circuit, said difference signal controlling the modulator; the transmitter and the receiver in said system each being provided with a dynamic control system comprising a dynamic control device which is controlled by a continuously variable dynamic control signal provided by a dynamic control signal generator including a pulse series analyser to which the output pulses from the modulator are applied, said pulse series analyser analysing successively occurring pulse series, which are constituted by the output pulses from the modulator supplied in a fixed time interval of at least three successive pulses from the pulse generator and supplying a pulsatory output signal exclusively when previously determined pulse series occur which correspond to the exceeding of an instantaneous modulation index of high value within said fixed time interval said dynamic control signal generator including an integrating network connected to the output of the pulse series analyser for supplying the continuously variable dynamic control signal, characterized in that the integrating network connected to the output of the pulse series analyser and comprising a storage element and a resistance element is constituted by a non-linear circuit which has time constant decreasing with an increasing signal level, said non-linear integrating network being connected to a switched supply source and being switched in the rhythm of the pulsatory output signal from the pulse series analyser, the dynamic control signal being derived from the resistance element of the non-linear integrating network.

CLASS 56C+88E. I.C. C10g 13/12, C10j 1/20, 1/26. 138705.

PROCESS AND APPARATUS FOR PRODUCING GAS BY PARTIAL COMBUSTION AND CARBURETTING SAID GAS.

APPLICANTS: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. OF CAREL VAN BY-LANDT LAAN 30, THE HAGUE, THE NETHERLANDS.

INVENTORS: GODFREID JOHAN VAN DEN BERG AND FRANK KARL GERARDUS OUWERSCHUUR.

Application No. 2194/Cal/73 filed September 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 26 Claims

A process for the production of gas comprising hydrogen and carbon monoxide having calorific value of more than 1000 kcal./Nm<sup>3</sup> by partially combusting carbonaceous fuel at

a temperature of more than 1000°C in a refractory gasification reactor, carburetting the hot gas from the gasification reactor with a hydrocarbon carburant at a temperature of from 700 to 1100°C in a carburetting zone which connects the gasification reactor to a hydrogenator, conducting the desired reactions in the carburetted gas in the hydrogenator and cooling the gas obtained from the hydrogenator in a waste heat boiler, characterised in that carburetting is effected by passing liquid carburant in a thin layer into the carburetting zone via parts cooled to such an extent that during the time, not more than 10 seconds, so that the carburant is not absorbed by the hot gas it remains at a temperature below that at which it will start to crack.

CLASS 136B+151F. I.C. B 29c 3/00, F 16b 7/00. 138706.

IMPROVEMENTS IN A PIPE PART WITH A WIDENED END.

APPLICANTS: WAVIN B.V. OF 251, HANDELLAAN, ZWOLLE, THE NETHERLANDS.

INVENTORS: ALBERTUS ANTHONY OOSTENBRINK.

Application No. 2214/Cal/73 filed October 1, 1973.

Convention date June 26, 1973 (30380/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims

A plastic pipe part with a widened end in which is formed a circular groove-shaped chamber which is delimited by two side walls of the groove and the bottom thereof, characterized in that the bottom of the groove on its inner side is provided with a circular raised part formed between the side walls of the groove, while the bottom of the groove merges abruptly with the innermost lateral wall of the groove.

CLASS 85R. I.C. C21b 7/16. 138707.

IMPROVEMENTS IN OR RELATING TO SHOCK WAVE TUYERE.

APPLICANTS: INSTITUT DE RECHERCHES DE LA SIDERURGIE FRANCAISE, OF 185 RUE PRESIDENT ROOSEVELT, 78104 SAINT GERMAIN-EN-LAYE, FRANCE.

INVENTORS: DANIEL BORGNAT, GUY FORESTIER, AND GEORGES RUPP.

Application No. 53/Cal/74 filed January 8, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims

A supersonic shock-wave tuyere for injecting a mixture of fuel and a combustion-support medium into a shaft furnace, comprising a convergent length and a divergent length with a sonic throat formed where these lengths come together, said tuyere being constituted by a first interchangeable member comprising the convergent length, the sonic throat and a first part of the divergent length, and a second fixed member constituted by a second part of the divergent length, the two members co-operating with one another so that the first and second parts of the divergent length come together as extensions of each other, whereby the sonic throat stage may be modified as a function of a change in the rate of supply medium for support of combustion in the tuyere by replacement of said first member.

CLASS 67c+160b. I.C. B60q 1/00. 138708.

DIRECTION INDICATOR CONTROL CIRCUIT.

APPLICANTS: THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

INVENTORS: WILLIAM DAVID HOLT.

Application No. 539/Cal/74 filed March 13, 1974.

Convention date March 22, 1973 (13785/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims

A direction indicator control circuit for use in a road vehicle, comprising first and second relays, manually operable switch means associated with each relay for causing energisation of the coil of the associated relay, first semi-conductor switching means for de-energising said first relay in response to movement of the vehicle steering mechanism in the opposite angular direction towards said central position.

CLASS 160B+206E. I.C. B60r 1/00. 138709.

CONTROL OF HEATABLE WINDOW PANES.

APPLICANTS: SAINT-GOBAIN INDUSTRIES, OF 62 BOULEVARD VICTOR HUGO, 92209 NEUILLY SUR SEINE, FRANCE.

INVENTORS: SERGIO ROSELLI AND GERD SAUER.

Application No. 318/Cal/74 filed February 14, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

Apparatus for controlling the operation of an electrically heatable window pane in a vehicle, which comprises a first detector sensitive to condensed moisture on the face of the pane inside the vehicle and a second detector sensitive to atmospheric conditions, the detectors controlling the feed of electric current to the pane.

CLASS 53F. I.C. B60n 1/00. 138710.

VEHICLE SEATS.

APPLICANTS: UOP INC, OF TEN UOP PLAZA, ALGONQUIN & MIT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, UNITED STATES OF AMERICA.

INVENTORS: FREDERICK GEORGE LOWE.

Application No. 1104/Cal/74 filed May 21, 1974.

Convention date May 22, 1973 (24450/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims

A vehicle seat comprising a seat part mounted on a supporting frame, a spring suspension on which the seat part and supporting frame are mounted for upward and downward translational movement, substantially without pivotal movement, relative to a base part, and height-varying coupling means between the seat part and the supporting frame which permits the seat part to be raised or lowered and locked at a selected height relative to the supporting frame, the height-varying coupling means comprising a slide coupling between upper portions of the seat part and supporting frame and means for locking the slide coupling at a selected position of the seat part relative to the supporting frame and a coupling arm pivotally connected at one end thereof to the seat part and at the opposite end to the supporting frame or to a part of the seat which moves upwards and downwards with the supporting frame.

CLASS 206H. I.C. G06g 7/12. 138711.

AN AMPLIFIER WITH FAILSAFE PREDETERMINED GAIN.

APPLICANTS: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

INVENTORS: THOMAS CHARLES MATTY.

Application No. 1596/Cal/74 filed July 17, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

A failsafe amplifier circuit comprising an amplifier having a first and second input; a four terminal capacitor having the first terminal being connected to the amplifier output, the second terminal being connected to the second amplifier input, and the third terminal being the circuit output terminal; and a first impedance circuit connected between the fourth capacitor terminal and a source of operating potential.

CLASS 32F.b I.C. C07d 99/24.

138712.

PROCESS FOR THE PREPARATION OF 7-AMINO- $\Delta^3$ -CEPHEM-DERIVATIVES.

APPLICANTS: BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

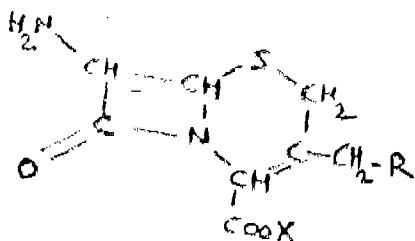
INVENTORS: KART KUTZBACH, AND UWE PETERSEN.

Application No. 2136/Cal/74 filed September 25, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 17 Claims

A process for the production of a 7-amino- $\Delta^3$ -cephem derivatives of the general formula I.



in which

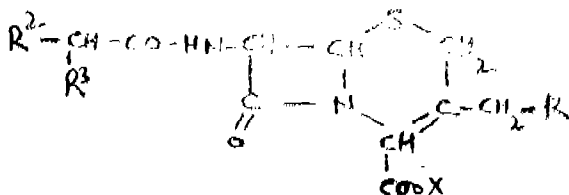
R is hydrogen; hydroxyl; amino; nitrile;  $-O-CO-NH_2$ ;  $-S-C-N(CH_2)_n$

$\begin{array}{c} || \\ S \end{array}$

n being an integer from 4 to 6;  $-O-CO-R^1$ ;  $-NH-CO-R^1$  or  $-S-CS-O-R^1$   $R^1$  being alkyl with 1 to 4 carbon atoms, or in which

R is -S-Het or Het, Het being a 5-membered or 6-membered hetero-aromatic ring which optionally can carry a positive charge; and

X is hydrogen; or represents a negative charge if the radical R contains a positive charge, in which a compound of the general Formula II.



in which

R and X have the abovementioned meanings and  $R^1$  is a phenyl, phenoxy, 2-thienyl or 2-furyl ring, optionally substituted in the ring by amino, hydroxyl or alkyl with 1 to 3 carbon atoms, and  $R^2$  is hydrogen, amino, hydroxyl or alkyl with 1 to 3 carbon atoms, or a salt thereof with an inorganic or organic base, is brought into contact with penicillinacylase which is bound by covalent bonds to a water-insoluble carrier, as herein described.

CLASS 32F.b+F2c. I.C. C07c 155/04.

138713.

A PROCESS FOR THE PRODUCTION OF AMMONIUM SALTS OF DITHIOCARBAMIC ACID.

APPLICANTS: BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

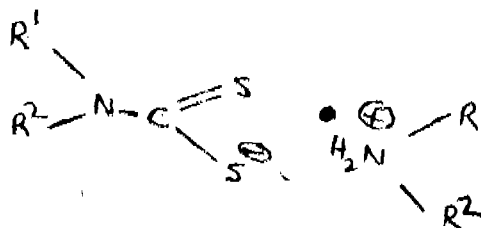
INVENTORS: FLORIN SENG, SCHILDGEN, KURT LEY, ODENTHAL-GLOEBUSCH.

Application No. 840/Cal/75 filed April 26, 1975.

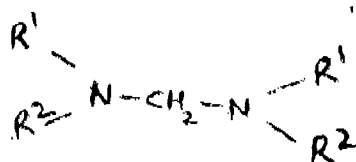
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

A process for the production of ammonium salts of dithiocarbamic acid corresponding to the general formula I.



in which  $R^1$  and  $R^2$  which may be the same or different, each represents an optionally substituted aliphatic radical, in addition to which  $R^1$  and  $R^2$ , together with the nitrogen atom substituted by them, may form a 5-membered to 7-membered heterocyclic ring, wherein bis-dialkyl amino-methanes corresponding to the general formula II.



in which  $R^1$  and  $R^2$  are as defined above, are reacted with sulphur.

CLASS 55E,+F. I.C. A61k 23/00.

138714.

METHOD FOR PREPARING ANTISTA-PHYLOCOC- COUS HUMAN IMMUNE GLOBULIN.

APPLICANTS: TSENTRALNY NAUCHNO-ISSLEDO- VATELSKY INSTITUT GEMATOLOGI I PERELIVANIA KROVI OF NOVOZYKOVSKY PROEVD, 4, MOSCOW USSR.

INVENTORS: ANATOLY EFIMOVICH KISELEV, (2) SEMEN VLADIMIROVICH SKURKOVICH, (3) TATYANA VASILIEVNA GOLOSOVA, (4) ANATOLY ALEXANDRO- VICH FROM (5) GRIGORY FEDOSEEVICH PAPKO, (6) LJUDMILA SEMENOVNA SHENKMAN, (7) TATYANA PAVLOVNA ANIKINA.

Application No. 704/Cal/75 filed April 8, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawings.

A method of preparing antistaphylococcal human immune globulin consisting of the gamma globulin fraction isolated from the plasma of blood of man immunized with staphylococcal toxoid, containing staphylococcal  $\alpha$ -antitoxin in the titre from 50 to 640 Units per ml and agglutinins against staphylococci in the titre to 1:20480, and its dissolution in physiological or isotonic solution.

CLASS 128k. I.C.A. 61m 29/00.

138715.

## APPARATUS FOR CERVICAL DILATION.

APPLICANTS & INVENTORS: MORTON GUTNICK, OF 8329 FAIRVIEW ROAD, ELKINS PARK, COMMONWEALTH OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 895/Cal/73 filed April 17, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

Apparatus for use in performing an abortion to a uterus containing at least one human fetus including an elongate firm flexible tubular shaft member having a proximal end and a distal end defining at least two conduits commencing proximate its proximal end, and a pair of inflatable members integral with said tubular body and in proximity to its proximal end and which respectively communicate with one of said conduits, the inflatable member remote from the proximal end having a length in the range of 5 to 6 cm., and when in an expanded condition having the form of a cylinder with rounded ends and a transverse dimension in the range of 1.5 cm. to 4 cm., the other of the inflatable members being positioned intermediate the proximal end of the shaft and the first mentioned inflatable member at a position spaced from said one inflatable member by from 2 cm. to 6 cm. and having a fully expanded transverse dimension approximately equal to the external dimension of said first inflatable member.

CLASS 168D+H. I.C. G08g 1/095 F21m 1/00.

138716.

## A TRAFFIC SIGNALLING DEVICE.

APPLICANTS: ELECTRONICS & BUSINESS MACHINES PRIVATE LTD., OF II-7 INSTRONICS CAMPUS, ADYAR, MADRAS-20, TAMILNADU, INDIA.

INVENTORS: SUNDARAMOORTHY SAMBANDAN.

Application No. 164/Mas/73 filed November 7, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 7 Claims

A traffic signalling device comprising a transistorised circuit capable of deriving power from a direct current source, said circuit being characterised by a first transistor, a second transistor and a capacitor connected to the base circuit of the first transistor and to the output circuit of the second transistor, said capacitor being capable of getting charged to drive the first transistor to saturation and, consequently, cause the second transistor also to be driven to saturation; a lamp connected to the output circuit of the second transistor and capable of being sufficiently energised by the second transistor (when driven to saturation) to go "on" the resulting flow of current in the output circuit of the said second transistor, however, being capable of causing the said capacitor to discharge and thus turn off the first transistor and, consequently turn "off" the second transistor also, to de-energise the lamp, such that the said lamp is caused to go "on" and "off" in succession; a photocell, included in a shunt across the capacitor, which when exposed to darkness or to light of a given range of intensity offers a high resistance to flow of current in the shunt so as to permit charging of the capacitor and when exposed to light of a higher range of intensity offers a low resistance to flow of current in the shunt so as to prevent the said capacitor from getting charged.

CLASS 195B+C. I.C. F16k 31/05, F15b 9/08, 13/02,

138717.

## PILOT CONTROL VALVE.

APPLICANTS: CATERPILLAR TRACTOR CO., OF 100 N.E. ADAMS STREET, PEORIA, STATE OF ILLINOIS 61602, UNITED STATES OF AMERICA.

INVENTORS: DONALD LOUIS BIANCHETTA AND KENNETH RALPH LOBAUER.

Application No. 217/Cal/73 filed January 30, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

A valve system comprising in combination: a main control spool for controlling hydraulic fluid for operation of a motor; a source of pressurized pilot control fluid; a pilot control valve operative to direct said pilot fluid for operation of said main control spool; said pilot control valve comprising fluid directing means operative for differential control of said pilot fluid for accelerated movement of said main control spool through a dead band range and a substantially proportional movement through a modulation range with respect to movement of said pilot valve.

CLASS 72-C. I.C. C06b, 21/00.

138718.

## PLANT FOR PRODUCTION OF AN EXPLOSIVE CONSISTING OF A SOLID PHASE AND A LIQUID PHASE.

APPLICANTS: NITRO NOBEL AB, OF 710 30 GYT-TORP, SWEDEN.

INVENTORS: HENRY RAYMOND ANDERSSON.

Application No. 2195/72 filed December 20, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

Plant for producing an explosive consisting of a solid phase, for instance in a pulverized form, and of a liquid or semi-liquid phase, characterized by a vessel which has gimbals suspension and which vessel is rotatable around its own longitudinal axis, by a hoisting device for said suspension device for raising and lowering the vessel, by a weighing device with which vessel coacts at its lower position, by a mixture container for the liquid or semi-liquid phase with an outlet pipe to said vessel at its lower position, by a hopper for the mixture container into which said vessel can empty its contents in its raised position, by a hopper for the solid phase for emptying into said vessel when this is at or near its lower position and by particularly one or several storage hoppers for ready-mixed explosive into which said vessel empties ready-mixed explosive in its raised position.

CLASS 32F+b+55E. I.C. C07d 57/04.

138719.

## PROCESS FOR THE PREPARATION OF NEW PHARMACEUTICALLY ACTIVE EBURNEMINE TYPE ALKALOID ESTERS.

APPLICANTS: RICHTER GEDEON VEGYESZETI GYAR RT., OF 21, GYOMROI UT, BUDAPEST X, HUNGARY.

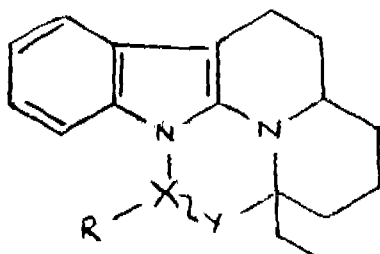
INVENTORS: CSABA LORINCZ, DR. EGON KARPATI, DR. LASZLO SZPORNY, KALWAN SZASZ, AND DR. LAJOS KISFALUDY.

Application No. 1758/72 filed October 27, 1972.

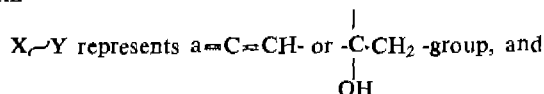
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A process for the preparation of pharmaceutically active eburnamine-type alkaloid esters of the general formula I.



wherein



R represents a C<sub>2</sub>-6 alkoxy carbonyl or C<sub>2</sub>-6 alkenyloxy carbonyl group optionally substituted with a hydroxy group or with a halogen atom, or salts or quarternary derivatives thereof, in which a salt of apovincaminic acid or of vincaminic acid in reacted with a C<sub>1</sub>-6 alkyl halide and C<sub>1</sub>-6 alkenyl halide, both substituted by halogen or hydroxy group,

and, if desired, the thus-obtained compounds of the general formula (I) are converted into their acid addition salts or quarternary salts by reacting them with a mineral or organic acid or with an alkyl halide, respectively.

CLASS 29A. I.C. G06f 15/00.

138720.

# METHOD AND APPARATUS FOR REGULATING INPUT/OUTPUT TRAFFIC OF A DATA PROCESSING SYSTEM.

APPLICANTS: BURROUGHS CORPORATION, OF BURROUGHS PLACE, DETROIT MICHIGAN 48232, UNITED STATES OF AMERICA.

INVENTORS: JACOB FRANK VIGIL AND JOHN BRENTON WISE.

Application No. 1831/Cal/73 filed August 8, 1973.

Convention date June 19, 1973 (29094/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

In a data processing system communicating with a plurality of peripheral devices, an apparatus for regulating the flow of data between said system and said peripheral devices, comprising:

means for generating a traffic variable indicative of the number and type of concurrent data transfer operations occurring between said system and said peripherals;

means for storing a threshold variable indicative of predetermined ceiling on said data transfer operations; and

means for comparing said traffic variable and said threshold variable and generating an indication whenever said traffic variable is equal or greater than said threshold variable, whereby an indication is given to the data processing system that a data transfer operation may not be initiated at this time.

CLASS 32F<sub>1</sub>+32F<sub>2</sub>b. I.C. C07d 99/06.

138721.

APPLICANTS: SMITH FLIN & FRENCH LABORATORY, CYCLIC ALKYLAMINO HETEROCYCLIC COMPOUNDS HAVING ACTIVITY AS INHIBITORS OF H<sub>2</sub> RECEPTORS.

APPLICANTS: SMITH FLIN & FRENCH LABORATORY, RIES LIMITED, OF MUNDELS, WELWYN GARDEN CITY, HERTFORDSHIRE, ENGLAND.

INVENTORS: GRAHAM JOHN DURANT, JOHN COLIN EMMETT, AND CHARON-ROBIN GANEL-LIN.

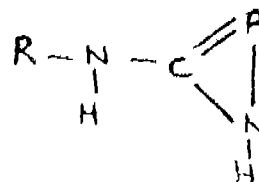
Application No. 664/Cal/74 filed March 26, 1974.

Convention date May 3, 1973 (21063/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

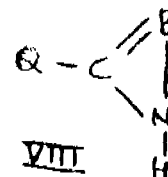
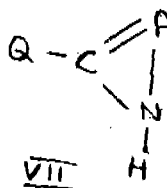
A process for the production of a compound of the formula I.



where A is a chain of three or four atoms which chain comprises at least one carbon atom and may also comprises sulphur atom, a nitrogen atom, two nitrogen atoms, or a nitrogen and a sulphur atom, said chain also comprising a keto, thione or where possible, a sulphone grouping and may be substituted by one or two lower alkyl, aryl or aralkyl groups or in such a way that the resultant structure forms with the adjacent carbon and nitrogen atoms shown a bicyclic system one ring of which is a phenyl ring; R is a grouping of the formula II.



wherein Het is a nitrogen containing heterocyclic ring such as imidazole, pyridine, thiazole, isothiazole or thiadiazole which ring is optionally substituted by lower alkyl, amino, hydroxy or halogen, Z is sulphur or a methylene group; and n is 2 or 3, which process comprises reacting a compound of the formula VII or VIII.



where A has the above significance, B is a chain of three or four atoms which chain comprises at least one carbon atom and may also comprise a sulphur atom, a nitrogen atom, two nitrogen atoms, or a nitrogen and a sulphur atom, said chain also comprising a protected keto, thione or, where possible, sulphone grouping and may be substituted by one or two lower alkyl, aryl or aralkyl groups or in such a way that the resultant structure forms with the adjacent carbon and nitrogen atoms shown a bicyclic system, one ring of which is a phenyl ring; and Q is a halogen, methane-sulphonyl, thiol or alkylthio group; with an amino compound of formula RNH<sub>2</sub>, wherein R has the meaning given above.

CLASS 68E<sub>1</sub>. I.C. B60q 1/00.

138722.

# VEHICLE ELECTRICAL SYSTEMS.

APPLICANTS: C. A. V. LIMITED, OF WELLSTREET, BIRMINGHAM B19 2XF, ENGLAND.

INVENTORS: GORDON HARRIS LEONARD.

Application No. 349/Cal/73 filed February, 17, 1973.

Convention date February 19, 1972 (7782/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.



## 11 Claims

A vehicle electrical lighting system of the kind specified including means for sensing the connection of said third lamp to said second supply point and for modifying the operating characteristics of said unit.

CLASS 27-B. I.C. E04b+E04c

138723.

## IMPROVEMENTS IN OR RELATING TO BUILDING CONSTRUCTION.

APPLICANTS: H. H. BOOT & SONS PTY. LIMITED, OF 17 BRIDGE STREET, PYMBLE, NEW SOUTH WALES, COMMONWEALTH OF AUSTRALIA.

INVENTORS: PHILLIP HANDFORD BOOT, & PETER EDGINGTON ELLEN.

Application No. 1088/Cal/73 filed May 9, 1973.

Convention date May 10, 1972 (PA8905/72) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

A structurally stable building cell for the construction of a building, said cell being structured to form at least part of a room of said building, said cell comprising at least three planar, substantially vertical walls having an average thickness of about 1/4" to 2" except in areas of localized thickening, a roof, in the form of a structure having substantially the structural action of a double curved thin shell dome, extending from the tops of said walls and forming therewith an integral concrete structure, said roof having a rise to chord ratio not greater than 1:10 and not less than 1:60, the thickness of said roof being from about 1/4" to 2" except in areas of localized thickening, a continuous edge stiffening member joining said roof to the top of said walls, and a floor joined to the bottom of said walls.

CLASS 80-I+K. I.C. B01d

138724.

## VALVELESS FILTER.

APPLICANTS & INVENTORS: RABINDRA NATH BOSE, OF 1-C, SURAH CROSS LANE, CALCUTTA-10 WEST BENGAL, INDIA.

Application No. 1253/Cal/74 filed June 10, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

A valveless filter consisting of a filter body of substantially cylindrical shape, a push-fit stopper fitted on the top mouth of the filter body, the lower portion of the filter body being adapted to accommodate a filtering medium characterised by that an inlet pipe passes vertically into the filter body through a first hole provided on the push fit stopper, an outlet pipe passes vertically into the filter body through a second hole provided on the push-fit stopper, and a third hole with a lid provided on the push-fit stopper for charging filtering medium into the filter body, wherein

(a) the inlet pipe extends nearly upto the neck portion of the filter body and the bottom end of the said pipe is screw fitted with a strainer; and

(b) the outlet pipe is fitted at its end with a vertical pipe which extends upto the bottom of the filter body and a strainer fitted to the bottom end of the said vertical pipe.

CLASS 195-B. I.C. F16k 3/26, 31/38.

138725.

## A HYDRAULIC VALVE UNIT.

APPLICANTS: SPERRY RAND CORPORATION, OF CROOKS AND MAPLE ROADS, TROY, STATE OF MICHIGAN 4804, UNITED STATES OF AMERICA.

INVENTORS: ROBERT GUY FARRELL AND CARL ROY BINKLEY.

Application No. 2141/Cal/73 filed September 20, 1973.

Convention date March 1973 (166,460/73) Canada.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

A hydraulic valve unit comprising a generally rectangular body having a spool bore extending from end to end of the rectangle and lying substantially mid-way between its sides, the thickness of the body between its opposite faces being substantially double the spool bore diameter or a little greater, a supply port traversing the thickness of the body from one face to the other and lying mid-way between the ends of the body, a pair of holes to receive clamping bolts traversing the thickness of the body from one face to the other and spaced from the supply port towards the ends of the body, a pair of exhaust ports traversing the body thickness and spaced from said holes towards the ends of the body, the supply port, the bolt receiving holes, and the exhaust ports lying generally along a line parallel to and at one side of the spool bore, passages connecting the supply port and the exhaust ports to the spool bore, passages extending from the bore to the side of the body remote from the supply and exhaust ports to constitute service ports, and a flow directing spool slidable in the spool bore, the body having substantially equal quantities of metal on each side of the spool bore whereby distortion of the bore due to unequal expansion of the metal caused by aging or by temperature rise is minimized.

CLASS 91. I.C. G05d 13/10.

138726.

## IMPROVEMENTS IN GOVERNORS FOR INTERNAL COMBUSTION ENGINES.

APPLICANTS: ROBERT BOSCH GMBH, OF POSTFACH 50, 7 STUTTGART 1, WEST GERMANY.

INVENTORS: ERNST RITTER.

Application No. 227/Cal/74 filed February 1, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A centrifugal speed governor for an internal combustion engine having a regulator sleeve displaceable by means of centrifugal weights by a distance dependent upon the engine speed, the regulator sleeve transferring its regulating motions by way of at least one intermediate lever to a fuel delivery adjusting member for adjusting the conveyed fuel quantity of the injection pump, and thereby works against a power transmission member mounted in the governor housing, supported at a stop secured to the housing and subject to the force of at least one regulating spring and having an adapting device which has a tipping lever with two stopping surfaces which connects the regulator sleeve with the intermediate lever, which tipping lever abuts against two resiliently pliable stops, of which one has a first adapter spring and the other contains a second adapter spring and is disposed in the power transmission member, whereby the tipping lever articulates at one of its end at least indirectly with the intermediate lever, the intermediate lever being constructed as two-armed slotted lever whose point of rotation, guided in a slotted guide, can be altered in dependence upon the swivel position of an operating lever, the two stopping surfaces of the tipping lever being eccentrically hinged to the regulating sleeve and being disposed between the two stops in the height of the axis of the regulating sleeve and so that they are turned away from each other, of which one stop, which is prestressed by the first adapter spring is mounted centrally in the regulator sleeve and the other stop which is prestressed by the second adapter spring and an idling regulator spring is mounted in the power transmission member in the extension of the axis of the regulator sleeve which member is acted upon by a final speed regulating spring which is at least indirectly supported in the regulator housing.

CLASS 40-C &amp; 123. I.C. B01f 3/08. A01n 7/02. 138727.

**COMPOSITION FOR THE ELIMINATION OF MINERAL OIL PRODUCTS BY BIODEGRADATION.**

APPLICANTS: BANQUE POUR L'EXPANSION INDUSTRIELLE "BANEXT" OF 1 BOULEVARD HAUSMANN, PARIS 9EME, FRANCE.

INVENTORS: PIERRE FUSEY.

Application No. 360/Cal/73 filed February 19, 1973.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A composition for the elimination of mineral oil products by biodegradation containing a source rich in aminoacids and containing phosphorus such as a vinasse, enriched if desired with amino-acids in which at least one oleophilic element constituted by a fatty acid is combined with said source rich in amino-acids and containing phosphorus.

CLASS 40-C. &amp; 123 I.C. A01m 7/02 &amp; B01f 3/08. 138728.

**COMPOSITION FOR THE ELIMINATION OF MINERAL OIL, ESPECIALLY PETROLEUM PRODUCTS BY BIOLOGICAL DEGRADATION.**

APPLICANTS: BANQUE POUR L'EXPANSION INDUSTRIELLE "BANEXT" OF 1 BOULEVARD HAUSMANN, PARIS 9EME, FRANCE.

INVENTORS: PIERRE FUSEY.

S

Application No. 361/Cal/73 filed February 19, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A composition for the elimination of mineral oil, especially petroleum products by biological degradation, comprising substantially a phospho-amino-lipid mixed with a nontoxic and entirely biodegradable emulsifier, such as herein described.

CLASS 130-I. I.C. C22b 15/10, C22b. 3/00. 138729.

**RECOVERY OF METALS.**

APPLICANTS: THE ANACONDA COMPANY, OF 25 BROADWAY, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

INVENTORS: MARTIN CLIFFORD KUHN AND NATHANIEL ARBITER.

Application No. 475/Cal/73 filed March 3, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for recovering copper, zinc or nickel from an ore containing such metal in the form of a sulfide mineral associated with iron sulfide, wherein the ore is treated by froth flotation to produce a primary sulfidic concentrate of said mineral together with associated iron sulfide, and leached with an aqueous solution containing ammonium sulfate and free ammonia at a temperature in the range from 50°C to 80°C. and at a pressure not exceeding 10 psig. in the presence of free oxygen, and the resulting pregnant leach solution is separated from the residual leached primary concentrates, characterized in that the leaching operation is terminated while a substantial amount of undissolved copper, nickel or zinc remains in the residual leached primary concentrates, and said residual leached primary concentrates are subjected to a secondary flotation concentration operation to produce a secondary concentrate substantially smaller in

amount than the primary concentrate and to reject in the tailings of said secondary flotation operation iron sulfide of the primary concentrates which has been freed by the leaching operation from copper, nickel and zinc minerals.

CLASS 9D. I.C. C22c 21/00.

138730.

**METHOD OF PRODUCING A WELDABLE AND AGEABLE ALUMINIUM ALLOY OF GREAT STRENGTH.**

APPLICANTS: A/S ARDAL OG SUNNDAL VERK, OF SORKEDALSVEIEN 6, OSLO 3, NORWAY.

INVENTORS: AKSEL OLA AARFLOT, FRED RUDI, GUNNAR BIRGER SORENSEN, BJARNE ALVSAKER, AND OTTO BERG.

Application No. 518/Cal/73 filed March 9, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawings

A method for producing a weldable and heat treatable aluminium alloy consisting essentially of from 4.5 to 5.8% zinc, from 1.0 to 1.8% magnesium from 0.10 to 0.30% zirconium, from 0 to 0.3% iron, from 0 to 0.15% silicon, from 0 to 0.25% manganese, less than 0.05% each of other elements such as herein described, the sum of these other elements not exceeding 0.15% and the balance being aluminium, which comprises (1) adding zirconium, in the form of a hardener or master alloy which consists essentially of aluminium and zirconium, to a melt containing the remaining components of the alloy at a temperature in excess of 720°-760°C depending on the amount of zirconium and in an amount such that the finished melt will contain 0.10-0.30% zirconium, (2) maintaining the melt at said temperature for at least 30 minutes while bubbling an inert gas through the melt, (3) cooling the melt to 710°-720°C while bubbling the inert gas through the melt (4) maintaining the melt at said reduced temperature for about 10 minutes without bubbling the inert gas through the melt, (5) casting the melt and (6) homogenizing the cast melt to obtain metastable precipitates of zirconium aluminide therein.

**OPPOSITION PROCEEDINGS**

An opposition has been entered by the Assistant Design Engineer (Wagon), Research, Designs & Standards Organisation to the grant of a patent on application No. 137930 made by Dr. Dasarathi Banerjee.

**CORRECTION OF CLERICAL ERRORS**

(1)

Under Section 78(3) of the Patents Act, 1970 certain clerical errors occurring in the application and specification of patent application No. 129375 were corrected on 13th February 1976.

(2)

Under section 78(3) of the Patents Act, 1970 certain clerical error occurring in the title of invention in the application and specification of patent application No. 136486 were corrected on 13th February 1976.

(3)

Under Section 78(3) of the Patents Act, 1970, certain clerical errors occurring in the title of invention in the application and specification of patent application No. 136918 were corrected on 13th February 1976.

(4)

Under Section 78(3) of the Patents Act, 1970, certain clerical errors occurring in the application and specification of patent application No. 136960 were corrected on 13th February 1976.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two Rupees per copy :—

88969 89118 97540 110396 111771 111805 111834 111964  
112004 112017 112040 112041 112046 112053 112146 112344  
112898 112926 113102 113131 113172 113179 113182 113210  
113225 113238 113253 113280 113288 113289 113394 113506  
113592 113600 113622 113631 113632 113686 113738 113760  
113857 114048 114135 114148 114172 114250 114251 114266  
114289 114402 114420 114639 114640 114651 114684 114959  
114960 115059 115188 115199 115209 115247 115261 115359  
115366 115417 115516 115612 115680 115941 116211 116246  
116295 116302 116369 116555 116662 116841 116936 117005  
117039 117786 117792 117794 117836 117838 117944 117982  
118148 118169 118697 118773 120314 121149 121207.

(2)

109964 109975 110013 110060 110088 110094 110153 110175  
110465 110481 110570 110790 111243 111299 111346 111371  
111373 111380 111405 111411 111430 111431 111918 111942  
112107 112306 112417 112564 112582 112668 112676 112760  
112975 113060 113381 113382 113572 112724 113921 113966  
113997 114072 114369 114557 114654 114759 114893 115024  
115073 115128 115423 115513 115842 116044 116828 116887  
117434 118299 118690 118691 118692 118693.

## PATENTS SEALED

135882 136828 136851 136999 137029 137080 137108 137116  
137124 137132 137140 137144 137156 137159 137160 137161  
137162 137166 137168 137170 137173 137174 137176 137177  
137184 137236 137271.

## AMENDMENT OF PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Imperial Chemical Industries Limited, of Imperial Chemical House, Millbank, London, S.W. 1., England, a British company have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 134058 for "Process of steam reforming hydrocarbons". The amendments are by way of deletion of claim 11 on file which is by way of correction and disclaimer so as to ascertain the invention more correctly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(2)

Notice is hereby given that Sebastian Messerschmidt, Spezial-maschinenfabrik, of 8724 Schonungen u. Schweinfurt, Federal Republic of Germany, a German Firm, have made an application under section 57 of the Patent Act, 1970 for amendment of specification of their application for patent No. 137766 for "Method of and apparatus for machining the surfaces of spheres". The amendments are by way of explanation and correction to define the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any

person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(3)

Notice is hereby given that Universal Oil Products Company now re-named UOP Inc., a corporation duly organised under the laws of the state of Delaware, United States of America of No. 10 UOP Plaza-Algonquin & Mt. Prospect Roads, Des Plaines, State of Illinois, United States of America have made an application under Section 57 of the Patents Act, 1970, for amendment of application, specification and drawings of their application for patent No. 138006 for "Internally ridged heat transfer tube and method of designing for optimum performance". The amendments are by way of amendment of name of the applicants from "Universal Oil Products Company" to "UOP Inc". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

## PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

## No. and Title of the invention

129369 (24-11-70) Method and apparatus for cooling hot metals and in particular steel materials.  
129638 (17-12-70) Apparatus and process for the preparation and cooling of a gas mixture containing hydrogen and carbon monoxide.

## RENEWAL FEES PAID

75662 75663 75738 75831 75910 76031 76176 76839 80-95  
80740 80817 81035 81165 81166 81177 81241 81261 81300  
81301 81315 81328 81409 81457 81491 81510 82423 86396  
86407 86727 86760 86773 76840 76841 86842 86876 86944  
86993 87034 87041 87051 87057 87071 87191 87569 87584  
91227 91772 91775 91850 91863 92311 92540 92567 92572  
92617 92650 92651 92675 92840 93082 93137 93191 93210  
93212 93274 93343 94647 94757 97273 97390 97977 98001  
98187 98204 98275 98341 98354 98434 98436 98443 98463  
98489 98502 98529 98535 98547 98562 98571 98724 98850  
98943 99178 99458 100744 103060 103692 103320 103939  
104183 104184 104203 104216 104237 104271 104294 104302  
104343 104364 104425 104502 104618 104644 104815 105981  
108961 108972 109215 109216 109471 109589 109612 109615  
109698 109727 109743 109773 109809 109815 109894 109896  
109947 109952 109979 110013 110146 110147 110179 110187  
110448 113212 114072 114075 114231 114318 114443 114469  
114560 114639 114640 114661 114710 114755 114766 114907  
114945 114951 114977 114978 115001 115067 115123 115256  
115406 115555 116115 116334 116335 116336 116828 117255  
118320 119212 119356 119747 119835 119852 119891 119895  
119930 119931 119960 120007 120032 120030 120052 120137  
120157 120158 120165 120171 120198 120216 120218 120291  
120328 120341 120354 120356 120357 120360 120399 120404

120474 120475 120482 120505 120509 120542 120516 120565  
 120601 120609 120846 120979 121180 121823 122011 122012  
 122151 122153 122302 122317 122661 122662 122663 122779  
 123037 123130 123133 123361 123362 123363 123616 123619  
 123622 124751 124820 124950 125163 125227 125228 125305  
 125360 125383 125393 125481 125520 125583 125623 125626  
 125632 125642 125842 125864 125889 125907 125928 125929  
 125930 125931 125932 125951 125956 126109 126202 126267  
 126282 126283 126285 126350 126382 126399 126417 126435  
 126597 126775 126776 126778 126798 126979 127015 128055  
 128809 128811 128812 129117 129396 129499 130161 130247  
 130315 130319 130320 130416 130465 130514 130516 130558  
 130609 130649 130688 130720 130740 130749 130769 130783  
 130785 130799 130941 130948 130949 131165 131183 131320  
 131406 131645 132286 132728 132813 132859 133320 133321  
 133429 133806 133881 134121 134126 134186 134322 134370  
 134518 134594 134602 134624 134628 124644 134652 134748  
 134800 134824 134833 134840 134853 134861 134871 134873  
 134874 134879 134968 135004 135017 135047 135084 135089  
 135096 135097 135102 135160 135235 135236 135361 135410  
 135434 135476 135571 135904 135905 135980 136011 136200  
 136267 136302 136324 136399 136432 136531 136545 136554  
 136570 136656 136657 136670 136692 136719 136736 136746  
 136812 136841 136861 136866 136869 136886 136889 136894  
 136899 136934 136972 136978 137012 137028 137034 137045  
 137071 137136 137155 137408 137435 137436 137437.

#### RESTORATION PROCEEDINGS

##### (1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 100552 granted to Robert Boothe Miller for an invention relating to "a process for obtaining fibre bundles from the rind of Sugarcane and fibre bundles obtained thereby." The patent ceased on the 13th July, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 13th March 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 20th May, 1976, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 100553 granted to Robert Boothe Miller for an invention relating to "sugarcane processing and apparatus." The patent ceased on the 13th July, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 13th March, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 20th May, 1976, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 108649 granted to Robert Boothe Miller for an invention relating to "a process for making boards, veneer and the like from sugarcane and products obtained thereby". The patent ceased on the 13th July, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 13th March, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 20th May, 1976, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 112651 granted to Pravinchandra Chhaganlal Mehta for an invention relating to "improved water filter." The patent ceased on the 6th October, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 13th March, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 20th May, 1976, under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 143403. Sri Vinayaka Industries, An Indian Registered Partnership Firm, of 39/3, Kanakapura Road, Bangalore-560011, Mysore State, India, Indian Citizen, "Centrifuge", September 15, 1975.

Class 1. No. 143476. Hindustan General Equipments, An Indian Registered Partnership Firm, of 98 Mohamedali Road, Bombay-400 003, Maharashtra, India, Indian Citizen, "Insulated Containers" October 6, 1975.

Class 1. No. 143480. National Stove Industries, An Indian Partnership Firm, of 5, Haji Building, 1st Floor, Banian Road, Pydhonie, Bombay-400 003, Maharashtra, India, Indian Citizen, "Top-Frame of Lantern", October 8, 1975.

Class 1. No. 143483. Nelson Type Foundry Private Limited, 62 Sami-Pillai Street, Madras-7, Tamil Nadu, Indian Private Limited, Company, "Tamil Type Founts" October 10, 1975.

Class 1. No. 143520. Larsen & Tubro Limited, of L & T House, Ballard-Estate, Bombay-400 001, Maharashtra, India, An Indian Company, "A Housing for a Direct-on-Line Starter" October 20, 1975.

Class 1. Nos. 143534, 143535, 143536 and 143537. Bharti Electricals (India) 5/B, Motia Khan, New Delhi (India) An Indian Partnership Firm, Indian National, "An Electric Iron" November 1, 1975.

Class 3. No. 143433. Maliks Traders of 111-A, M. G. Road, Currimjee-Building, 3rd Floor, Bombay-1, Maha-

ashtra, India, An Indian Partnership Concern, Indian National, "Soles of Footwears", September 22, 1975.

Class 3. No. 143438 B. K. Plastics Private Limited, of B-5 Gulmohar Park, New Delhi-110049, India, A Company Incorporated in India, "Bowl", September 23, 1975.

Class 3. No. 143439. B. K. Plastics Private Limited, of B-5, Gulmohar Park, New Delhi-110049, India, A Company incorporated in India, "Soap Case", September 23, 1975.

Class 3. No. 143442. Bal Krishan Garodia, Trading as Electro Mechanical Industries, of 30 Ganesh Chandra Avenue, Calcutta-13, West-Bengal, India, Indian National, "Cable & Wire", September 25, 1975.

Class 3. Nos. 143456, 143457, 143458, 143459, 143460, 143461 and 143462. National Plastic Industries, Taher Building, 1st Floor, 85, Sarang Street, Bombay-400 003, Maharashtra, India, An Indian Partnership Firm, Indian National, "Ball Pen", October 1, 1975.

Class 10. No. 143436. Calcutta Plastic Industries, of 17/1, Belur Road, Lilooah, Howrah, West Bengal, India, An Indian Partnership Firm, Indian Nationals, "Footwear", September 23, 1975.

#### REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (DESIGNS)

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following cases. The number of each case is followed by the names of the applicants for registration.

138977.—  
141016.— M/s. Pulling and Lifting Machines Private Limited.  
141518.—

141763.—  
141764.—  
141765.—  
141766.—  
141767.—  
141768.—  
141573.—  
141574.—  
141575.—  
141576.— M/s. Shree Cosmetics.  
141785.—  
141786.—  
141787.—  
141788.—  
141789.—  
141790.—  
141791.—  
141792.—  
141793.—

Name Index of applicants for patents for the month of January, 1976 (Nos. 1/Cal/1976 to 181/Cal/1976, 1/Bom/1976 to 38/Bom/1976 and 1/Mas/1976 to 19/Mas/1976).

Name Application No.

#### —A—

Aluminum Company of America.—79/Cal/76.  
American Home Products Corp.—2/Cal/76, 119/Cal/76, 158/Cal/76.  
Amin, H. M.—9/Bom/76.  
Apte, G. V.—34/Bom/76  
Atlaswala, A. G.—4/Bom/76.  
Automatic Braiding Company (Nottingham) Ltd.—82/Cal/76.

#### —B—

Bachkaniwala, B. H.—5/Bom/76.  
Bain, S. K.—48/Cal/76, 49/Cal/76, 50/Cal/76.  
Bansal, R.—147/Cal/76.

Name Application No.

#### —B—Contd.

BASF Aktiengesellschaft.—80/Cal/76.  
BASF Farben & Fasern AG.—3/Cal/76.  
Bathena, N. S.—8/Bom/76.  
Bayer Aktiengesellschaft.—91/Cal/76, 132/Cal/76, 159/Cal/76, 163/Cal/76, 177/Cal/76.  
Belyaev, V. A.—118/Cal/76.  
Beohar, R. C.—165/Cal/76.  
Bhabha Atomic Research Centre.—29/Bom/76.  
Bhardwaj, S. (LT. CDR.).—13/Cal/76.  
Bhide, V. R.—11/Cal/76.  
Bombay Textile Research Association, The.—36/Bom/76.  
Bonde, S.G.—1/Bom/76.  
Bureau BBR Ltd.—115/Cal/76.

#### —C—

Capital Plant International Ltd.—42/Cal/76.  
Chakraborty, C. 107/Cal/76.  
Chandrasekhar, B.R.—12/Mas/76.  
Chatterji, A. K.—32/Cal/76.  
Chaudhari, A. V.—1/Bom/76.  
Chaugule, P. J.—35/Bom/76.  
Chemal Engineers.—3/Bom/76.  
Chemical Fabrics Corp.—110/Cal/76.  
Chicago Pneumatic Tool Company.—75/Cal/76.  
Chief Controller, Research and Development Ministry of Defence, Government of India, The.—44/Cal/76.  
Chinoi Gyogyszer Es Vegyeszeti Termek Gyara RT.—98/Cal/76.  
Chowdhary, D. P.—4/Cal/76, 5/Cal/76.  
Chowdhury, S. C.—6/Cal/76.  
Ciba-Geigy AG.—40/Cal/76.  
Ciba-Geigy of India Ltd.—21/Bom/76, 22/Bom/76.  
Climax Plastic Udyog.—73/Cal/76.  
Continental Can Company, Inc.—134/Cal/76.  
Council of Scientific and Industrial Research.—24/Cal/76, 25/Cal/76, 26/Cal/76, 27/Cal/76, 28/Cal/76, 66/Cal/76, 67/Cal/76, 68/Cal/76, 69/Cal/76, 70/Cal/76, 99/Cal/76.  
Crucible S.A.—90/Cal/76.

#### —D—

Dandekar, R. K.—23/Cal/76, 178/Cal/76.  
Dash Fasteners (Private) Ltd.—179/Cal/76, 180/Cal/76.  
Davy Powergas Inc.—60/Cal/76.  
Deepsea Ventures, Inc.—59/Cal/76.  
Desai, B. G.—12/Bom/76.  
Devaprabhakara, D.—114/Cal/76.  
Diamond Shamrock Corp.—108/Cal/76.  
Director, All India Institute of Medical Science, The.—17/Cal/76.  
Direct Power Ltd.—20/Cal/76.  
Dresser Industries, Inc.—164/Cal, 171/Cal/76.

#### —E—

Eadie Bros. & Company Ltd.—169/Cal/76.  
Eguia, A. I.—64/Cal/76.  
E. I. Du Pont De Nemours and Co.—111/Cal/76.

Name	Applicant No.	Name	Applicant No.
—E—Contd.		—J—Contd.	
Eirich, G.—109/Cal/76.		Jope, E. C.—149/76.	
Eirich, W.—109/Cal/76.		Joshi, N. R.—30/Bom/76.	
Eli Lilly and Co.—18/Cal/76.			
Emhart Corp.—19/Cal/76.		—K—	
Evolution S. A.—122/Cal/76.		Kabra, G. K.—12/Cal/76.	
—F—		Kalra, K. D.—15/Bom/76.	
F. L. Smidth & Co. A/S.—30/Cal/76.		Kamat, G. M.—28/Bom/76.	
—G—		Karail, V.—33/Cal/76.	
Gadgil, A. M.—33/Bom/76.		Karmalkar, D.—27/Bom/76.	
Gadre, J. N.—16/Bom/76.		Kurunakaran, C. N.—1/Mas/76.	
G. D. Societa' per Azioni.—127/Cal/76, 128/Cal/76, 129/Cal/76.		Khambata, S. D.—13/Bom/76.	
Ghosh, P.—105/Cal/76.		K. S. Seetharamiah & Sons.—6/Mas/76.	
Glen Head, Inc.—45/Cal/76.		Kumar, B. A.—10/Mas/76.	
Goel, I.—181/Cal/76.		Kyowa Hakko Kogyo Co., Ltd.—34/Cal/76.	
Gogia, K. B.—147/Cal/76.		—L—	
Goodyear Tire & Rubber Company, The.—96/Cal/76.		Lal, J. (Dr.).—106/Cal/76, 114/Cal/76.	
Gopalakrishna Iyer, S.—13/Mas/76.		Lall, R.—14/Cal/76.	
Grasso's Koninklijke Machinenfabrieken N. V.—173/Cal/76.		L. G. T. Laboratoire General Des. Telecommunications.—175/Cal/76, 176/Cal/76.	
Gray, O. S.—83/Cal/76.		Lucas Industries Ltd.—52/Cal/76, 53/Cal/76, 54/Cal/76, 55/Cal/76, 56/Cal/76, 57/Cal/76, 58/Cal/76.	
Gruppo Lepetit S.p.A.—8/Cal/76, 43/Cal/76.		—M—	
Gupta, J. P.—106/Cal/76.		Magnesium Elektron Ltd.—39/Cal/76.	
—H—		Malhati Tea & Industries Ltd.—137/Cal/76.	
Haffkine Institute for Training, Research and Testing.—17/Bom/76.		Maliakal, J. G.—133/Cal/76.	
Hafizuddin, M.—18/Bom/76.		Maliakal, R. G. (Smt.).—133/Cal/76.	
Harbans Lal Malhotra & Sons Pvt. Ltd.—138/Cal/76.		Malti-Chem Research Centre.—25/Bom/76.	
Hochst Aktiengesellschaft.—61/Cal/76, 124/Cal/76, 152/Cal/76, 153/Cal/76, 154/Cal/76.		Matrin, S.—32/Bom/76.	
Hubers, C.—29/Cal/76.		Marumalarchi, K. R.—5/Mas/76.	
Hydrocarbon Research, Inc.—86/Cal/76.		Metal Box Ltd.—71/Cal/76.	
—I—		Metallgesellschaft A. G.—92/Cal/76, 156/Cal/76, 157/Cal/76.	
Imperial Chemical Industries Ltd.—142/Cal/76.		Microelectronics Laboratories.—20/Bom/76.	
Indian Oil Corporation Ltd.—6/Bom/76.		Middlemas, J. W.—149/Cal/76.	
Indian Space Research Organisation, The.—15/Mas/76, 16/Mas/76.		Midland-Ross Corp.—72/Cal/76.	
Institut Neftekhimicheskikh Protessov Imeni Akademika Ju. G. Mamedalievskii Baku.—93/Cal/76.		Miller, G. D.—161/Cal/76.	
Institut Sverkhtrudovikh Materialov Akademii Nauk Ukrain-skoi SSR.—151/Cal/76.		Minor Enterprises, Inc.—143/Cal/76.	
International Standard Electric Corp.—7/Cal/76.		Mistry, P. C. L.—146/Cal/76.	
Interox Chemicals Ltd.—87/Cal/76.		Mittu, N.—4/Mas/76.	
Intersports Systems International, Ltd.—63/Cal/76.		Miyazawa, K.—35/Cal/76.	
Inventa A. G. Fur Forschung Und Patentverwertung.—121/Cal/76.		Mukherjee, R. N. (Dr.).—144/Cal/76.	
Inreco Chemicals.—103/Cal/76.		Muthuswamy, K.—114/Cal/76.	
Islam, M. M.—19/Mas/76.		Muvek, G. V.—97/Cal/76.	
Iyer, S. G.—13/Mas/76.		—N—	
—J—		Nagree, F. A.—31/Bom/76.	
Jadhav, R. N.—9/Bom/76.		Nair, K. G. R.—7/Mas/76, 8/Mas/76.	
Jain, A. K.—10/Cal/76, 15/Cal/76.		Nambiar Consultants Private Ltd.—17/Mas/76.	
Jirafe, W. J. (Dr.).—20/Bom/76.		Natrass, F.—166/Cal/76.	
Johns-Manville Corp.—46/Cal/76, 85/Cal/76.		Natrass, P. J.—166/Cal/76.	
Johnson & Johnson.—74/Cal/76.		Nauchno-issledovatel'skiy I Konstruktorskiy Institut Ispytatelnykh Mashin, Priborov I Sredstv Izmereniya Mass.—162/Cal/76.	
		Nelson, D. E.—14/Bom/76, 34/Bom/76.	
		Nestle's Products Ltd.—174/Cal/76.	
		Nordisk Insulinlaboratorium.—41/Cal/76.	

<i>Name</i>	<i>Application No.</i>	<i>Name</i>	<i>Application No.</i>
—O—		—S—Contd.	
Obert, J. C.—104/Cal/76.		Sharma, J. C.—16/Bom/76.	
O. G. E. C.—38/Cal/76		Sheth, V. M.—16/Bom/76.	
Ole-Bendt Rasmussen.—9/Cal/76.		Shin-Etsu Chemical Co., Ltd.—36/Cal/76.	
Omni-Lift, Inc.—135/Cal/76.		Siemens Aktiengesellschaft.—47/Cal/76, 84/Cal/76.	
—P—		Singh, N. K.—139/Cal/76.	
Paclene Company Ltd.—126/Cal/76.		Singh, R. K. (Smt.).—147/Cal/76.	
Pal, K. N.—81/Cal/76.		Suguraman, R.—18/Mas/76.	
Pal, R. K.—81/Cal/76.		Sulzer Brothers Ltd.—112/Cal/76.	
Parker Pen Co., The—160/Cal/76.		—T—	
Parthasarathy, V.—11/Bom/76.		Tatel, C. S.—10/Bom/76.	
Patel, C. S.—10/Bom/76.		Telang, W. P.—2/Bom/76.	
Patel, J. J.—19/Bom/76.		Telefonaktiebolaget L. M. Ericsson.—113/Cal/76.	
Patel, R. S.—10/Bom/76, 24/Bom/76.		Toyama Chemical Co., Ltd.—101/Cal/76.	
Pattani, M. A.—26/Bom/76.		Traber, F.—117/Cal/76.	
Paul, B. B. (Dr.).—7/Bom/76.		—U—	
Pecero, D. A. F.—141/Cal/76.		Union Carbide Corp.—62/Cal/76, 76/Cal/76, 77/Cal/76.	
Pena, J. B.—65/Cal/76.		Union Carbide India Ltd.—145/Cal/76.	
Pfizer Inc.—21/Cal/76, 22/Cal/76, 130/Cal/76, 131/Cal/76.		United Technologies Corp.—123/Cal/76.	
Pilkington Brothers Ltd.—168/Cal/76.		—V—	
Pougault, J.—14/Mas/76.		Vaidyanathaswamy, R.—114/Cal/76.	
Prabhu, V. T.—2/Bom/76		Veb Wirkmaschinenbau Karl-Mark-Stadt.—135/Cal/76.	
Prerovske Strojirny, Narodni Podnik.—100/Cal/76.		Vector Bearing Corp.—1/Cal/76.	
Przedsiębiorstwo Projektowania I Dostaw Kompletnych Obiektów Przemysłowych "Chemadex".—148/Cal/76.		Vijayraghavan, K.—106/Cal/76.	
—R—		Vsesojuzny Nauchno-Issledovatel'sky Institut Tekhnicheskogo Ugleroda.—37/Cal/76.	
Rallis India Ltd.—37/Bom/76.		Vsesojuzny Nauchno-Issledovatel'sky Institut Zemleroinogo Mashin-Ostroenia.—170/Cal/76.	
Rao, C. N.—2/Mas/76.		Vulcan Cincinnati, Inc.—78/Cal/76.	
Rasmussen, Ole-Bendt.—9/Cal/76.		—W—	
Raymond Associates Inc.—136/Cal/76.		Wadhwa, P. C.—51/Cal/76.	
Registrar, Jadavpur University, The—144/Cal/76.		Walia, M. M.—150/Cal/76.	
Rexello Industries.—23/Bom/76.		Water Development Society.—9/Mas/76.	
Roy, P. R.—105/Cal/76.		Weltap Ltd.—94/Cal/76.	
Rudkovsky, V. L.—118/Cal/76.		Westinghouse Electric Corp.—88/Cal/76, 89/Cal/76, 116/Cal/76.	
—S—		Wilmot-Breeden Ltd.—172/Cal/76.	
Sampson, D. S.—11/Mas/76.		—Z—	
Sarabhai Research Centre.—38/Bom/76.		Zimmer, J.—215/Cal/76.	
Sarkar, P. K.—144/Cal/76.			
Schweizerische Isolawerke.—140/Cal/76.			
Schlumberger Overseas S. A.—102/Cal/76.			
Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—167/Cal/76.			
Secheron Soudure S. A.—95/Cal/76.			
Seshagiri Rao, C. I.—3/Mas/76.			
Seth, J.—120/Cal/76.			
Setu, S. N.—31/Cal/76.			

S. VEDARAMAN,

Controller General of Patents,  
Designs and Trade Marks.

